

FIGURE 1A

NUCLEOTIDE SEQUENCE OF NS2/3 (810-1206) ST (SEQ ID. No. 1)

atggaccggg agatggctgc atcgtgcgga ggcgcggttt tcataggtct tgcactcttg
accttgtcac catactataa agtgcctctc gctaggctca tatggtgggt acagtattta
atcaccagag tcgaggcgca cttgcaagtg tggatcccc ctctcaatgt tcggggaggc
cgcgatgcc tcatcctcct cactggcgca gtccaccag agctaattct tgacatcacc
aaactcctgctcgccatattcggtccgctcatggtgctccaggcaggcataaccaaaagtgcggtac
ttcgtgcgtg cgcaggggct cattcgtgcg tgtatgttg tgcggaaggc tgcggggggt
cattatgtcc aatggcctt catgaagcta gctgcgctga caggtacgta cgtttatgac
catctcactc cattgcagga ttggggccac gcgggcctac gagaccttgc agtggcggtg
gagcccgta tcttctctga catggaggtc aagatcatca cctggggggc ggacaccgag
gcatgcgggg acatcatttc aggtctgccc gtctccgctc gaaggggaag ggagatactc
ctgggaccgg ccgataattt tgaagggcag ggggtggcgac tccttgcgcc catcacggcc
tactcccaac agacacgggg cctacttggg tgcacatca ccagcctcac aggcggggac
aagaaccagg tcgaggggga ggttcaagt gtctccaccg ctacacaatc tttcctggcg
acctgcgtca acggcggtg ttggactgtc ttccatggcg ccgggtcaaa gaccttggcc
ggcccaaaag gcccaatcac ccagatgtac actaatgtgg accaggacct cgtcggtg
caggcgcccc ctggggcgcg ctccatgaca ccatgcacct gcggcagctc ggacctctat
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ctgctctccc ccaggcctgt ctctacttg aagggtctt cgggtggccc actgctctgc
ccttcggggc acgttgtggg catcttccgg gctgctgtgt gcaccgggg ggttgcaaaa
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cgtcaccgcg agttcggtg t

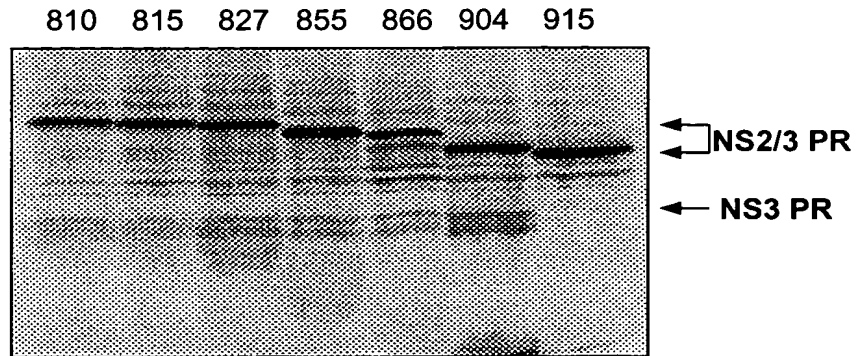
FIGURE 1B

AMINO ACID SEQUENCE OF NS2/3 (810-1206)-ST (SEQ ID NO. 2)

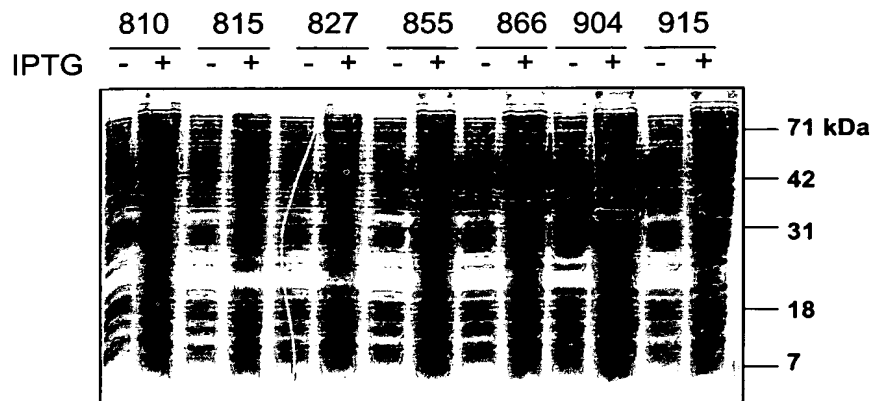
MDREMAASCG GAVFIGLALL TLSPYKVL ARLIWWLQYL ITRVEAHLQV WIPPLNVRGG RDAIILLTCA
VHPELIFDIT KLLLAIFGPL MVLQAGITKV PYFVRAQGLI RACMLVRKAA GGHYVQMAFM KLAALTGTYY
YDHLTPLQDW AHAGLRDLAV AVEPVIFSDM EVKIITWGAD TAACGDIISG LPVSARRGRE ILLGPADNFE
GQGWRLAPI TAYSQQTRGL LGCIITSLTG RDKNQVEGEV QVVSTATQSF LATCVNGVCW TVFHGAGSKT
LAGPKGPITQ MYTNVDQDLV GWQAPPGARS MTPCTCGSSD LYLVRHADV IPVRRRGDSR GSLLSPRPVS
YLGSSGGPL LCPSGHAVGI FRAAVCTRGV AKAVDFIPVE SMETTMRTSS AWRHPQFGG

FIGURE 2

A. *in vitro* translated N-terminal deletion mutants



B. *E. coli* expression - SDS-PAGE



C. *E. coli* expression - Immunoblot with anti-NS3

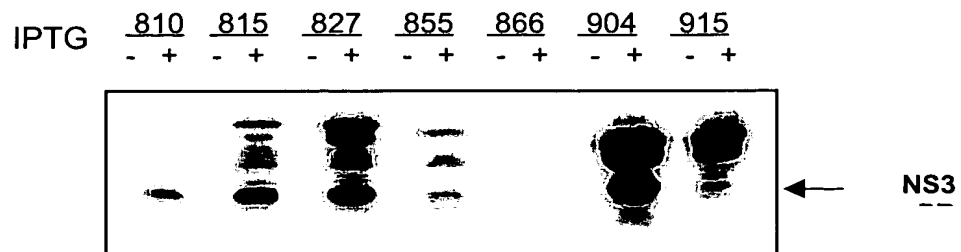
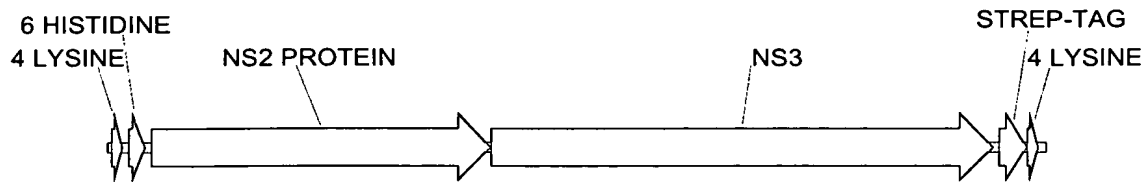


FIGURE 3



4k 6H NS2/3(904-1206)-ST-4K

FIGURE 4

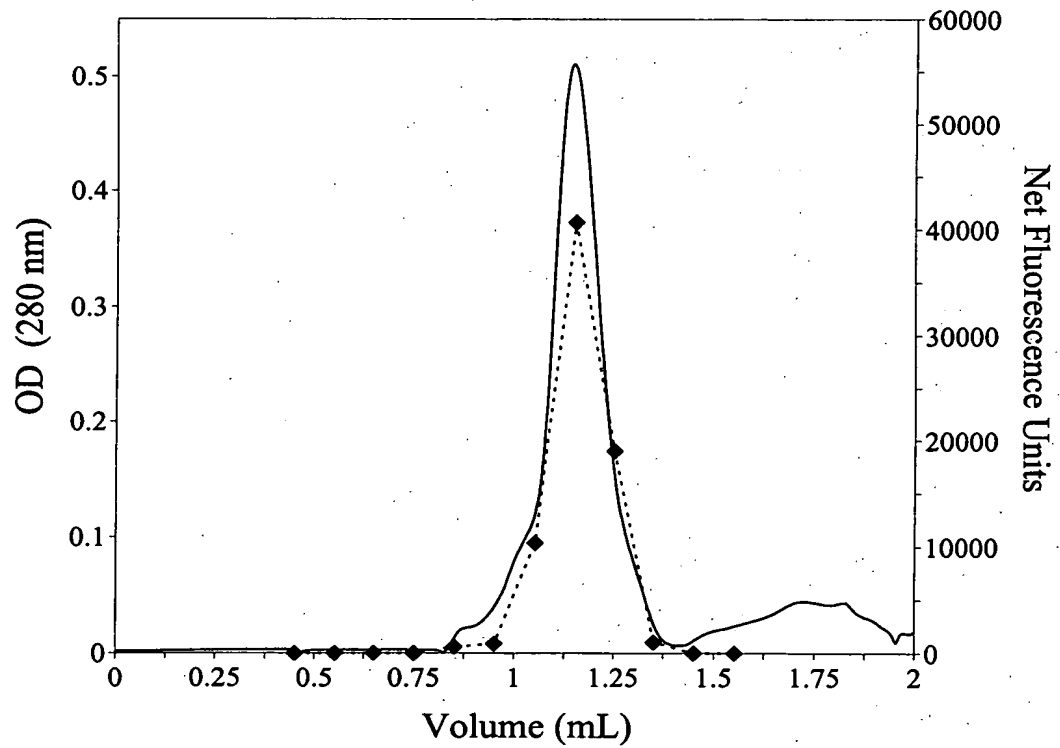


FIGURE 5

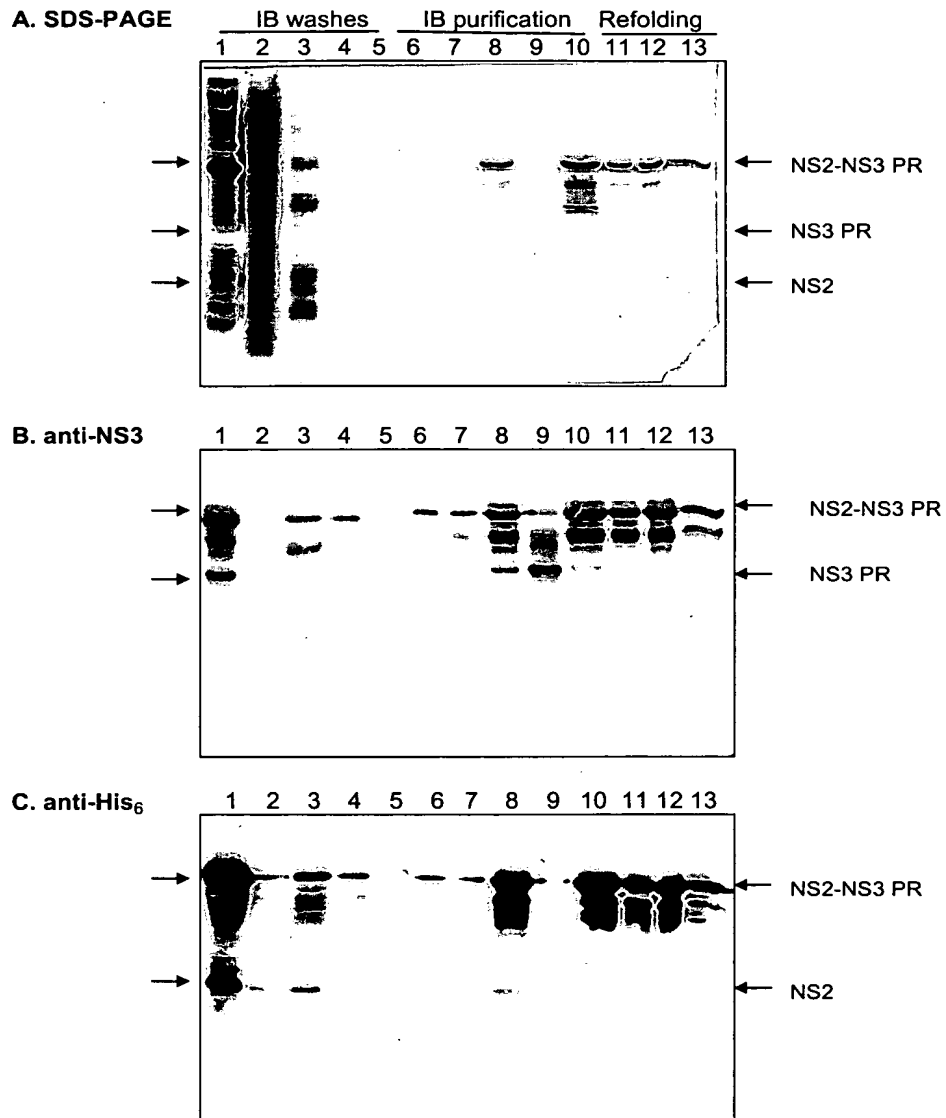


FIGURE 6

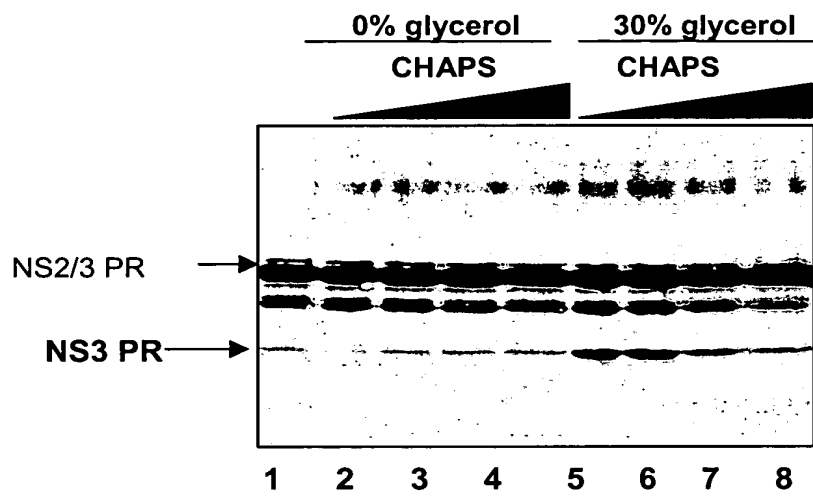


FIGURE 7

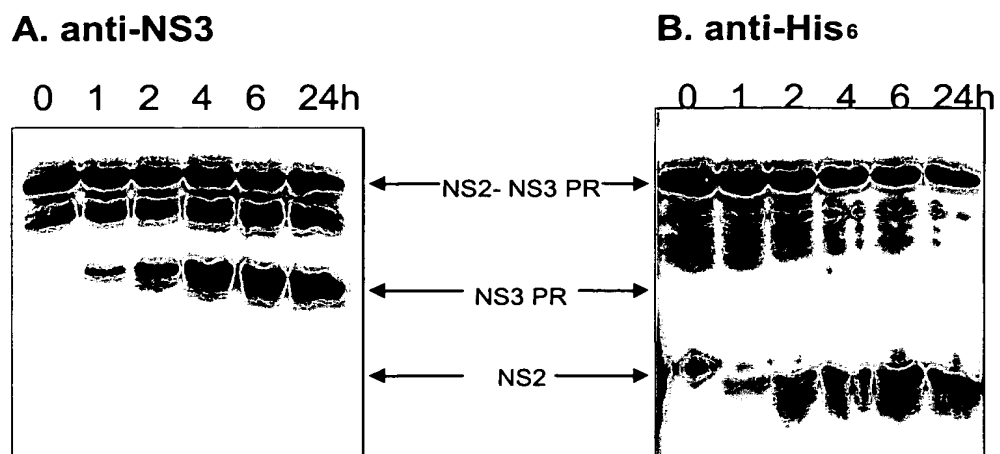


FIGURE 8

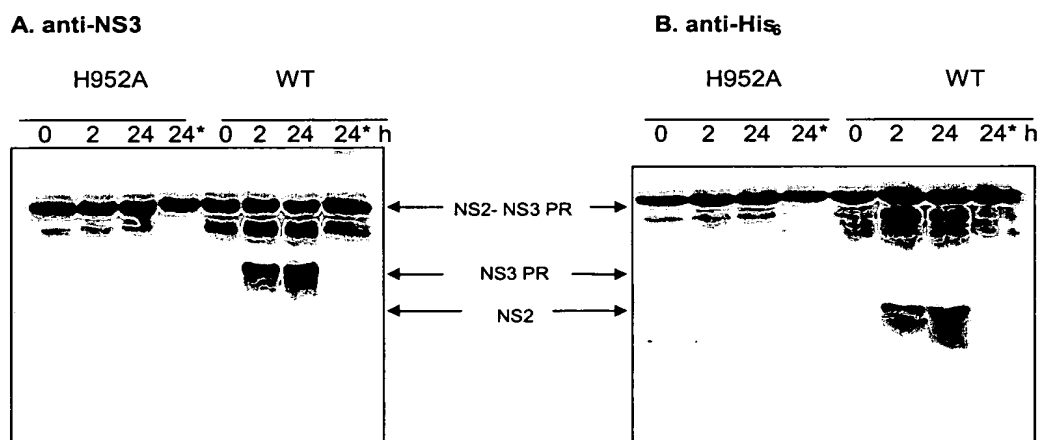


FIGURE 9A
NUCLEOTIDE SEQUENCE OF 4K-6H-NS2/3 (904-1206) ST-4K
(SEQ ID NO. 3)

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atgaaaaaga aaaagctcga gcatcaccat caccatcaca ctagtgcagg cataaccaa
gtgccgtact tcgtgcgtgc gcaggggctc attcgtgcgt gtatgttggt gcggaaggct
gcgggggggtc attatgtcca aatggccttc atgaagctag ctgcgctgac aggtacgtac
gtttatgacc atctcactcc attgcaggat tggggccacg cgggcctacg agaccttgca
gtggcggtag agcccgtcat cttctctgac atggagggtca agatcatcac ctggggggcg
gacaccgagg catgcgggga catcatttca ggtctgcccg tctccgctcg aaggggaagg
gagatactcc tgggaccggc cgataatttt gaagggcagg ggtggcgact ccttgcgccc
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agggggagcc tgctctcccc caggcctgtc tctacttga agggctcttc ggggtggcca
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gttgcaaaag cggtggactt catacctgtt gagtctatgg aaactaccat gcggactagt
agcgcttggc gtcaccgcga gttcgggtgg aaaaagaaaa agtaaggatc c

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FIGURE 9B
AMINO ACID SEQUENCE OF 4K-6H-NS2/3 (904-1206) ST-4K
(SEQ ID NO. 4)

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MKKKKLEHHH HHHTSAGITK VPYFVRAQGL IRACMLVRKA AGGHYVQMAF MKLAALTGTY    60
VYDHLTPLQD WAHAGLRDLA VAVEPVIFSD MEVKIITWGA DTAACGDIIS GLPVSARRGR   120
EILLGPADNF EGQGWRL LAP ITAYSQQTRG LLGCIITSLT GRDKNQVEGE VQVVSTATQS   180
FLATCVNGVC WTVFHGAGSK TLAGPKGPIT QMYTNVDQDL VGWQAPPGAR SMTPCTCGSS   240
DLYLVTRHAD VIPVRRRGDS RGSLLSPRPV SYLKSSGGP LLCPSGHAVG IFRAAVCTRG   300
VAKAVDFIPV ESMETTMRTS SAWRHPQFGG KKKK                                337

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FIGURE 10

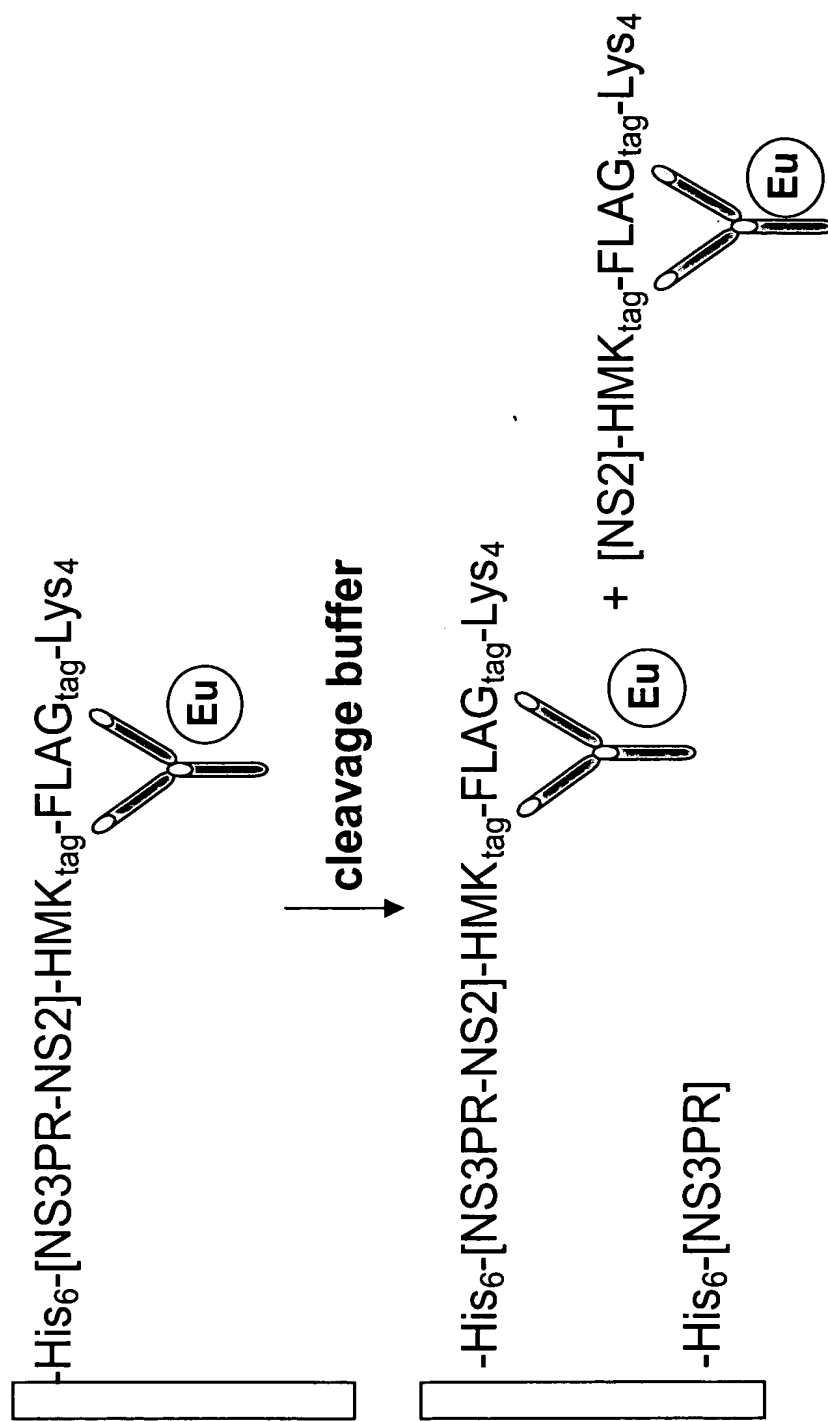


FIGURE 11

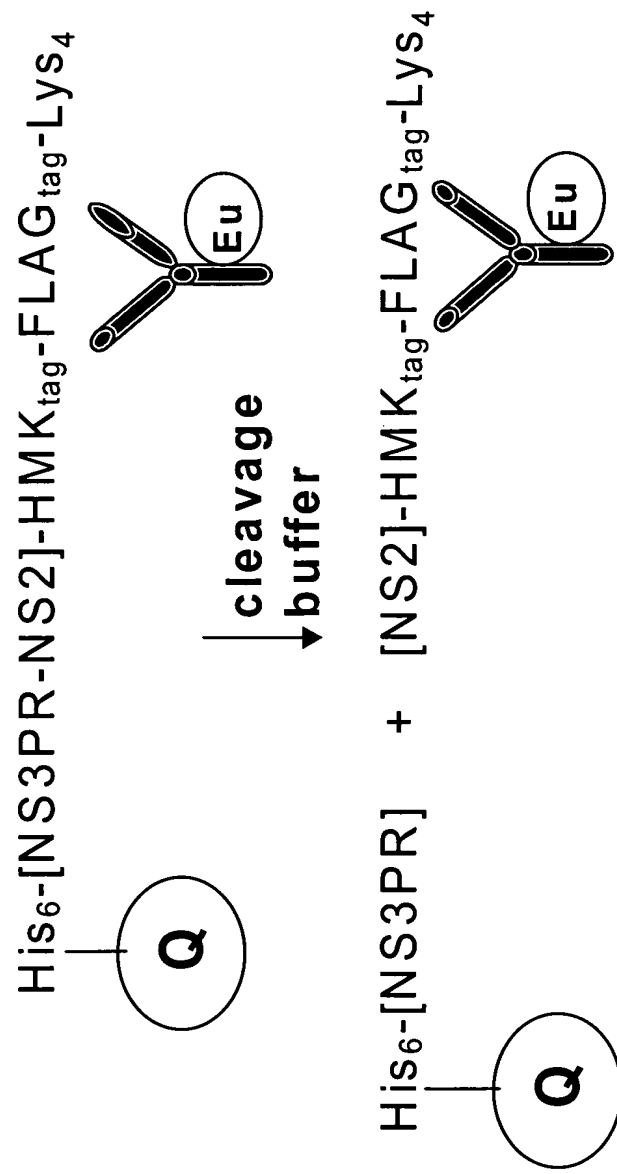


FIGURE 12

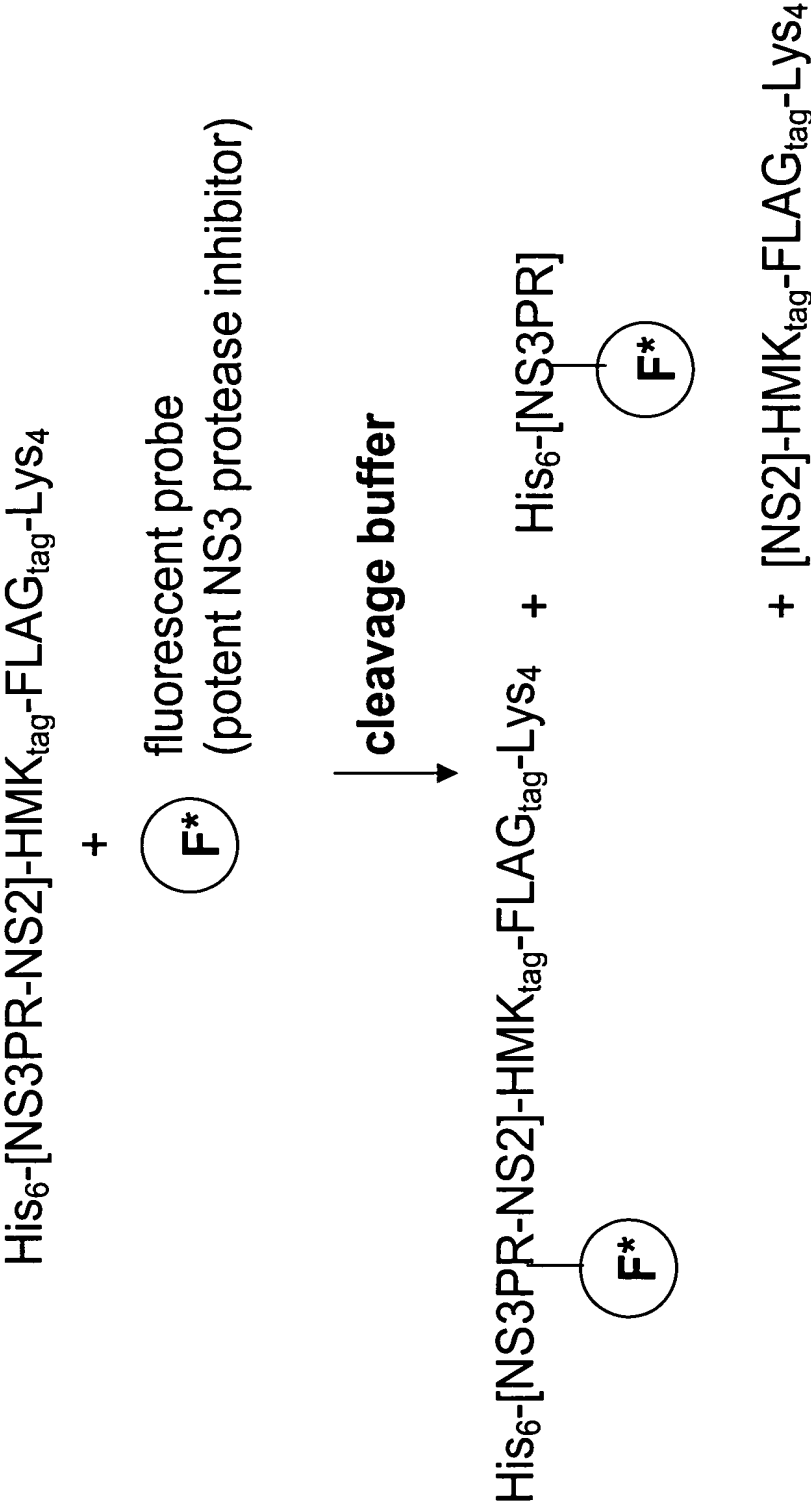


FIGURE 13

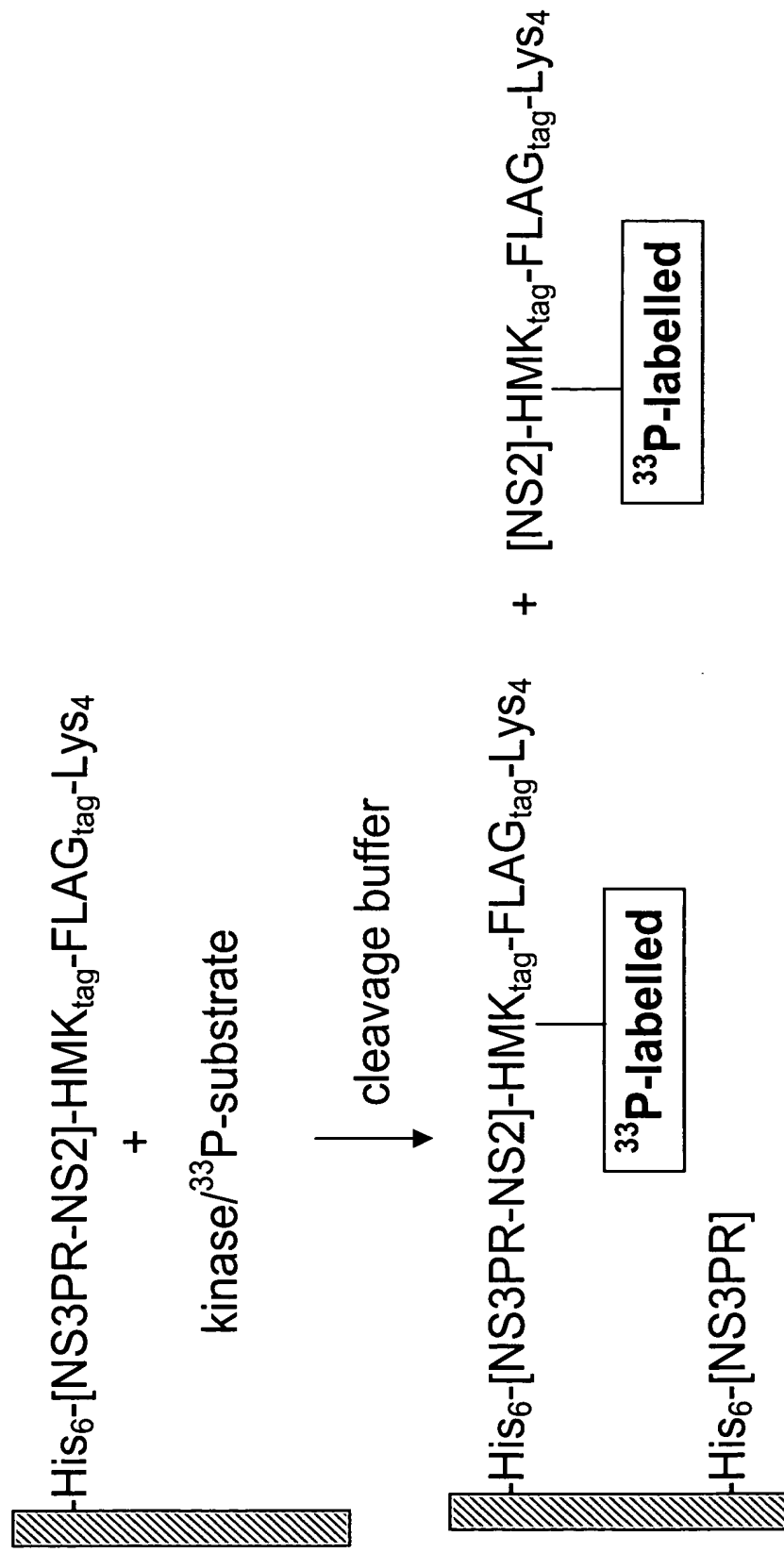


FIGURE 14

